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confustive 2	25X1A
	• 25X1A
ming and supplementing previous data *. The reports agree on the type of installation with uncovered canals an tunnels but differ in the number of wells, which was higher in the previous report.	\$
The dimensions of the main ripe line confirm previous assumations that the installation will be of at importance for the industriant in the Tiflis area.	al
2 Annexes: 1.)	

COMPLAN TEXA

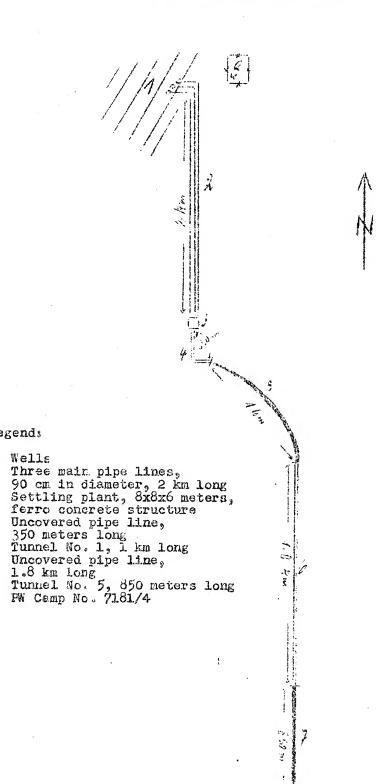
CONTROLIED DISTRIBUTION

Legends

Wells

25X1A

Water Works in Bulachauri



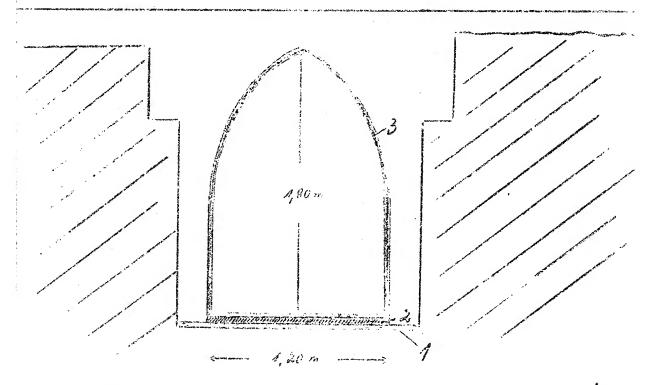
Water Works in Bulachauri

Sketch A.

Sources

Legend:

- 1 Eight canals each connecting 10 wells
 2 Three main pipelines, 90 cm in diameter, 2 km long, leading to settling plant



Stretch B.

Cross section of uncovered pipe line

Legenda

- L Cement base, 15 cm thick
 2 Cement foundation, 25 cm high
 3 Concrete pipe with cone-shaped section,
 1.20 meters wide, 1.80 meters high,
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Cutput: 40,000 kw.

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	Control of the contro	
5X1A - , •	Comment:	
	a. The new power plant was repeatedly mentioned in r on the tube rolling milt near JUHGAIT. The above dat location of this power plant is in agreement with the attached to a previous report.	a on the
	b. The report, furnished detailed data on the size. two of structure, and capthe power plant.	25X1A the first acity of 25X1A

25X1A

GLOIL P4

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25X1A
PLACE OBTAINED
DATE OF CONTENT. 25X1C
DATE OBTAINED DATE PREPARED 15 November 1949
REFERENCES 25X1C
PAGES 2 ENCLOSURES (NO. & TYPE)
REMARKS
In 1 10 mg
'Alson
25X1X
1. Location:
Transport Educations configuration
The power plant of SUMGAIT (49°37' E/40°33' N) is located about 1 miles north-northwest of the tube rolling mill, which is under construction, about 1.500 feet from the shore
of the Caspian Sea, and 18 miles northwest of BAKU.
2. Plant Installations:
The power plant has a 240x90x30-foot building, a steel and
a transformer station. The construction work was completely
the Summer of 1946. The installation of the power plant started a shortime before. The first turbine was put in
operation all velough that the power plant to governous the
other three turbines were placed in operation gives the
train was parked on a side track in the couthorn part of the
plent area. It was not used after the first turbine was put in operation. The power plant covers an area of about 450x300
feet and is surrounded by an 8-foot well. Power transmission lines radiate from the plant in the following directions:
One line running northwest to the minfield (wooden mosts)
Two lines to the tube rolling mill south of the power plant
(trellis masts) Che more line running east beyond the town border of CULGAIT
and via the oil field was under construction (trellis masts).

3. Cutput: 40,000 kw.

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20/1/	Come	ent:					J
	a. The ne	w power place rolling	unt was repe mill near of	eatedly me	ntioned	in report	ន
	location o	f this power or a constant of the constant of	er plant	in agree	rne above enent vit	data on In the ske	the tches
	b. The re	abrt [25Χ1Δ
	detailed d	ata on the	size, typo	of struct	ure, and	shed the capacity	or
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25X1A

Appro	OFAX 14 ved For Release 2008/08/15 : CIA-RDP83-00415R010900070008-5] IL
	et UnionREPORT NO	
TOPIC Power P	lant of the Iron and Steel Plant near RUSTAVI	
25	X1A 25X1A	25X1
EVALUATION	PLACE OBTAINED	
DATE OF CONTENT	25X1C	
DATE OBTAINED	DATE_PREPARED21_Novmbe	r 1949
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Batter in the commence of the control of the contro		
in il formation and distribution with many management, submitted and a substitution of the substitution of		
		Warrenson Breek (1000) Lance May
1.		1.34)
	Georgian SSR, is located in the center of the area under construction southeast of the town,	indus
,	west of the main railroad line to RAKU.	
2.	Plant Installations:	
	a. Construction of the power plant started in 1946.	March
	b. One turbine has been in operation sine 1 J	ัลทเวลา
	C. The number of hollers in use (at annual)	\ .
	was being laid.	ird bo
	d. stated that three more t are to be added to the one in operation.	urbine
	e. Ditches for steam and oil pipe lines were in the road between the switching station and turbine house. The purpose of this network of lines, which was to have a pump station every was not clear.	the
	f. A water reservoir was also under construct increase the water supply, which was inadequate the industrial area.	ion, te for
	g. The railroad connection to the power plant being extended (see Annex).	was
3 .	Work force: 150 civilians and 200 PWs, in 1949 in two shifts, 800 PWs employed in 1948.	worki
4.	Output: The one turbine in operation had a cap of 15,000 kw.	pacity

25X1X

ಽಪರ <i>್ಷ</i> ವಳ್ಳ]	•	25X1A
2	•		25X1A
25X1A			
a. The power plant located in the area of	the i	ron and	
speel plant of RUGTAVI, which is currently panded, has been frequently reported.	being	GX-	25X1X
b. This report is considered especially vit comes from and was in a position to furnis]
recent condition of the plant. [intended installation of six boilers presu a previous report according to which the isix" turbines" allegedly was intended. It that the power plant will eventually have and six boilers.	mably nstall: can be	the corrects ation of assumed	25X1X
c. The capacity of the turbine in operatifor the first time. It may be correct.	on was	mentioned	
d. The coal holding device (items 8 throwns shown differently on a previous sketch rence is of no real importance.	ugh 10 , but	on Annex) the diffe-	
1 Annex: Power Plant in RUSTAVI, Georgian	ssr.		

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- A set of transformers. Four oil transformers have been set up, others are being installed
- Switching station, brick building, 150x140x30 feet
- 3 Catwalk between turbine house and switching station
- 4 Turbine and boiler house, 150x120x60 feet, tuff structure
 - a. Two horizontal boilers, one for coal dust, the other for oil firing
 - b. Oil switchc. One turbine
 - c. One turbine
 d. Four-story administration building
 (under sections a, b and c, on the ground
 floor of the building, there are four
 coal grinding mills, four water pumps
 for the boiler plant and two blowing
 engines for coal dust)
 The building has two sheet metal

funnels, 160 feet each
5 Annex under construction, 90x60 feet
6 Same as 5

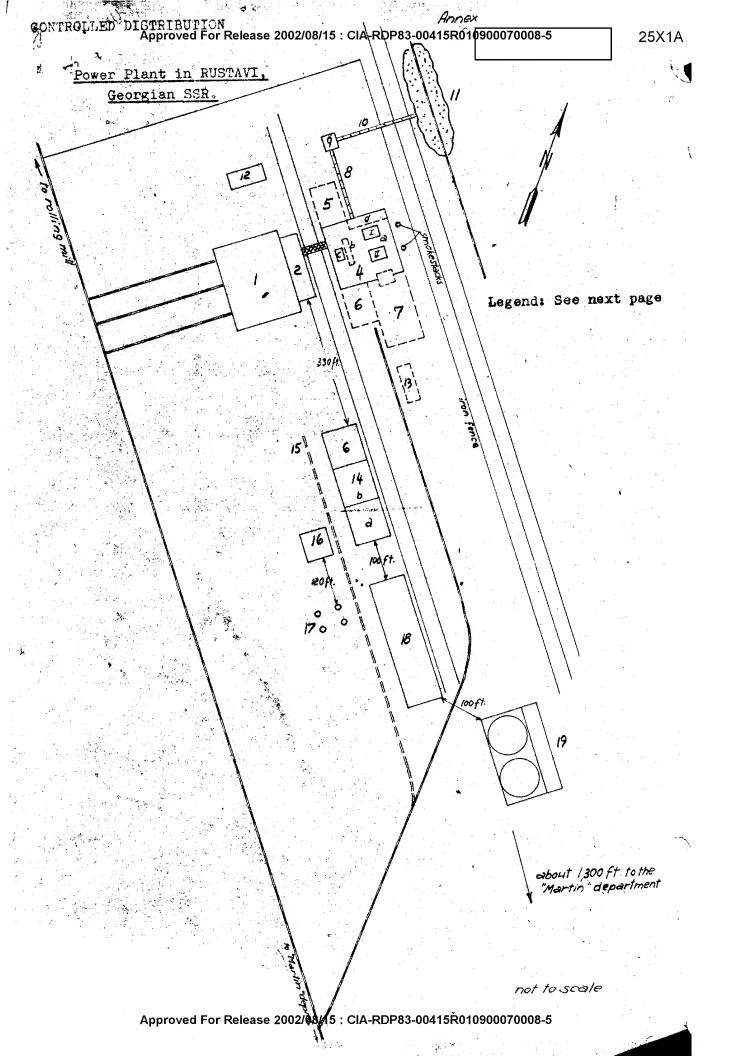
- Annex under construction, excavation and concreting work was under way. The Annex is to serve as an expansion of the boiler house.
- 8 Coal conveyor belt 9 Conveyor station

10 Same as 8

- 11 Coal dump with railroad connection
- 12 Brick water cleaning plant, 90x30x30 feet
- Dug-in oil container, 45 feet long, 9 feet in diameter, with a temporary oil pipe line to the boiler house
- 14 Brick building, 240x90x15 feet
 a. Magazine
 b. Varnishing shop

c. Electro-repair shop Spur track under construction

- 16 Transformer station, brick building, 60x45x15 feet, with a 36-foot tower in the middle
- 17 Four upright oil containers, each 10 feet high and 12 feet in diameter, filled to capacity
- 18 Brick building, 300x90x15 feet. Building materials magazine
- 19 Water reservoir under construction, 200x125x20 feet, two concrete water containers, 90 feet in diameter each



here, but not concreted

road spur track; a pit, 180x45x45 feet, was excavated

Assembly shop for steel frames, 600x200x25 feet, also repair shop for prime movers

Brick building, 90x60 feet, under construction

Brick building, 45x45x20 feet, under construction

Brick building, 150x60 feet, under construction

and 9 Ritchen and messhalls, brick buildings, each 60x20x15 feet

Administration, framework completed, 120x60x25 feet

Administration, framework completed, 120x60x25 feet

Lasts for a high voltage power line, to soon be wired

Pr Camp 7181/2

Pr Camp 7181/2

"Martin" "lant in the Industry Area of BUSTAVI

1. Annex:

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Legend: See report

13

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VALUATION25X1A VALUATION25X1A VALUATION25X1A VALUATION25X1A VALUATION25X1A	I	INED 25X1C TE PREPARED	12 January 19	50
AGES 2 ENCLOSURE		1 blueprin		
25X1X	9 . 24			,

1. Location:

The Khram-Ges Hydro Power Plant is east-southeast of MOLOTOVKA (44°07'E/41°33'N), Georgian SSR, west of the Kura River, on a canal which comes from this river. (For location see sketch No 1 on annex).

2. Plant installations:

the construction of the power plant was started in 1945 and was almost completed by January 1949. The inside of the plant was still being plætered and the surrounding wall being constructed. Two turbines were already in operation. Two additional turbines were installed in May 1949.

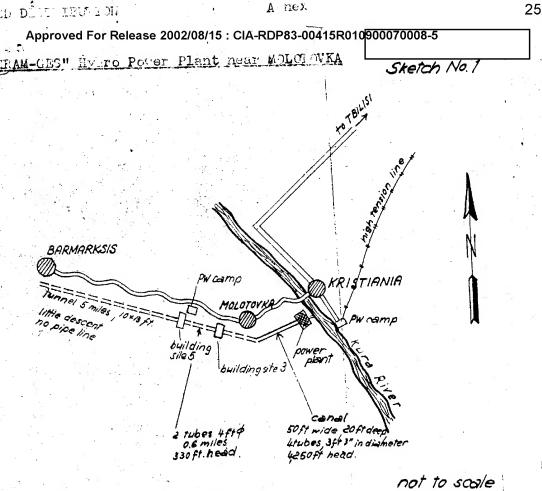
- b. The steel structure plant building has a flat sheet-metal roof and the floor is about six feet above the ground level. In the basement are four arched chambers, 12 x 12 feet, spaced at equal intervals. They are open to the long side of the building. These chambers house the bucket wheels of the vertically erected turbines. The Swedish generators are installed on the floor above these chambers. They are supported by concrete foundations, 6 feet high and 12 feet in diameter. Adjacent to the generator shop are the switching stations and stores for materials and spare parts. This part of the building has three stories.
- c. A power transmission line led from the nearby insulator station in a northwest direction. The line was supported by steel masts and had three cross arms with two wires each.
- d. The canal, about five miles long, with a low degree of gradiant, was leading through a tunnel, 12 feet high and 9 feet wide. From the end of the tunnel the water was carried to the power plant by pipe lines. The pipes lay in a 45-foot wide concrete canal. Each turbine was provided with a separated pipe line. (For plant layout see Annex of sketch No 2.

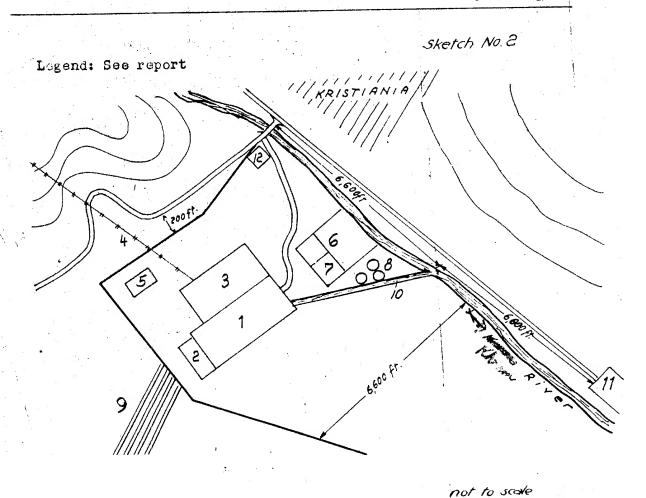
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*		25X1A
		25X1A
3.	Work Porce:	
	No details available on the total number of laborers; 40 Soviets and 20 PW worked in the	3 25X1X
4.	Caracity: No deteils available.	
25X1A	Comment:	
	e. Information on the new hydro-electric power plant near "OLOTOVIA was forwarded with previous reports. The location agrees with location data of other reports.	
	b. This report is of value because it contains the first detailed information on the power plant building. The number of turbines and thus the number of water pipes, is at variance with two earlier reports which recorded only three turbines and pipe lines. The turbine house appears large enough for four turbines. Since the earlier information dates back	25X1A
	it is possible that the fourth turbine and pipe line were]
	installed later. for clari-	25X1A .
	1 Annex: AHRAU-GES Hydro Power Plant near HOLOTOVKA.	
	Legind to Annex:	
	l Power plant with renerator shop and switching station, 300 x 200 x 45 feet.	
	2 Arriex with well of a staircase, 180 x 90 feet	
• *	3 Insulator station, 240 x 150 feet	
	4 Power transmission line	
	5 Forme, 90 x 80 feet	
	6 Administration	
	7 011. dump	
	8 Three oil tanks	
	9 Four pipe lines for water intake	
	10 Delivery canal, 240 feet long	
	11. PW Camp, No 7441/8	
	12 Ouerd house.	

SECTION

25X1A





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AND THE PERSON NAMED IN	de propries disconstitutor de references	RETURN ARY			
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	SUMPAIT. For Elast install A power plant a combined op construction constructed desmall ones exwith slag storage with the roads of a		nity of SOSNIA ag plants are producing buil olling plant, at. Most buil servation, whe buildings are Unsupported so Floors are	eest of SUM ding materia still under dings were reas only the steel struct	GAIT: Ala; uree ures
	For plant-layer or detailed s	out see Annex 2, sket sketch of the foundry	ch 1. shop see Anno	ex 2, sketch	2.
	The number was	Mout 3,000 Pks first s reduced to 1,000. [on on the number of c			ut 25X1A
	and rings, stu	holesale series prod rted in 1947; steel tion was not scarted	wheels, produ	ews, nuts, b aced since l	olts 949。
	devalorment of agreement with	es information on the the industrial area previous information attached sketch are	of SUMGAIT. n, the data gi	In view of ven by this	

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Compared with previous information, the N-S axis of the plants grouped around the tube rolling mill and of those situated north of that mill should be slightly turned in clockwise direction. The chemical plant (Annex 1, Item No.9) is presumably somewhat farther to the north between SUMGAIT and SOSNIA.

b. Evidence is given in this report that the initial stage of constructing the combined Martin tube and rolling plant had not come to an end in April 1949. Valuable information on layout and production of these establishments can be furnished only by future reports.

2 Annexes: 1. Industrial Plants in SUMGAIT.

Lagand to Annex 1:

- l. Clā village near a sand hill
- 2. Hein send desert
- 3. Combined Martin tube and rolling plant, called "Osmu 1", under construction
- Factory, called "Osmu 2", producing building material for constructing establishment No. 3
- 5. Settlement existing as early as 1945
- 6. NewYonstructed settlement. The following parts were completed by April 1949: 9 apartment houses with 12 to 16 flats each, club building, motion ricture theater, kinder-garten, school, and two administrative buildings
- 7. PW Camp No. 7328/L, segi-underground cantonment buildings for 3,000 PWs.
- 8. Fower plant with oil heating system
- 9. Chemical plant

25X1X

- area destined for the projected
- 11. Airfield
- 12. Two small hangars and one headquarters building, a parking lot with asphalt surface in front
- 13. Airfield barracks, about 12 to 15 houses, each 200 feet hong, where families also lived
- 14. Gasoline station adjacent to the railroad station
- 15. Three AAA emplacements with 5 or 6 guns each, emplaced and ready for action
- 16. Spur of mountains;

The road network as envered on the sketch was completed in April 1949 except for the asphalt surface.

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SECRET	25X1A
	25X1A
Legend to Annex 2; (sketch 1)	
A. Sube rolling mill and Martin plant	
l. Main warehouse, solid two-story building	
2. Foundry 420x 150 feet, first test cesting in Appropriate test see sketch 2.	il 1949
3. Two small shops, completed but not furnished on	equipped
4. Wood pattern shop, 240 x 90 feet, in operation s	ince
5. Gosoline station	
6. Small administration building	•
7. Hechanical workshop, 300 x 90 feet, in operation 1947	ı since
8. Forge, 240 x 90 feet, in operation since early i	in 1948
9. Projected tube rolling mill; excavation of the tion trenches was started in April 1949; in the provided for the rolling mill large quantities of the complete outfit of a dismantled German tolling mill. Projected length of the shop, 2,1	e area of ma= 25X1X
10. Bartin plant under construction, noticeably larger frames	ge steel
11. Projected railroad spur track with loading plats	Corn
B. "Osmu 2", factory producing building material	
1. Motorcar repair shop	
2. Slagstone factory	
3. Stall garage	
4. Small lime burning plant	
5. Small storage shed	
6. Concrete factory with 20 heavy mixers; gravel with railroad spur track in front of it	pile
7. Prefabrication of steel structures	
8. Storage shed for building-carpenter tools and painter's shop	
9. Building = carpentry	
10. Sawmill with four frame saws	
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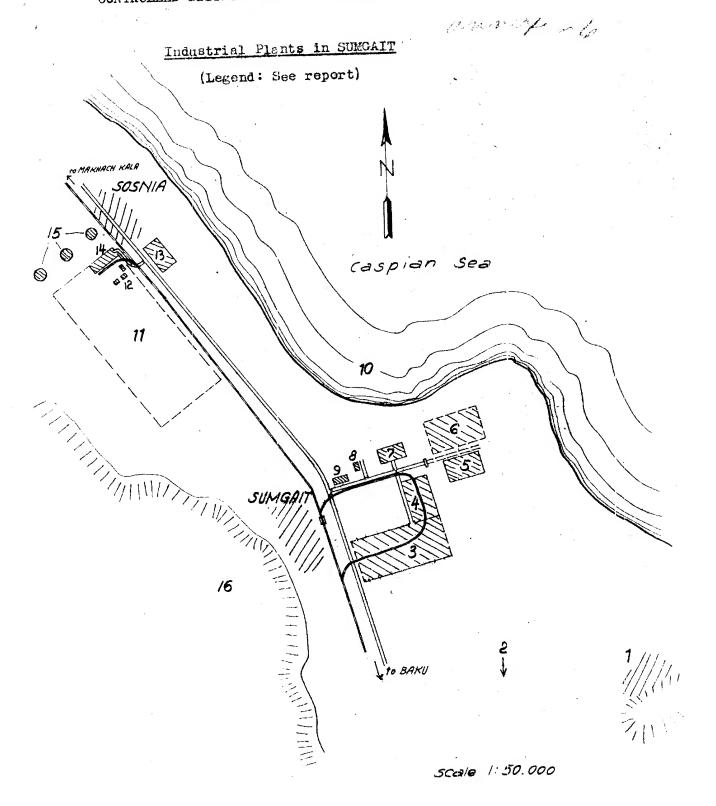
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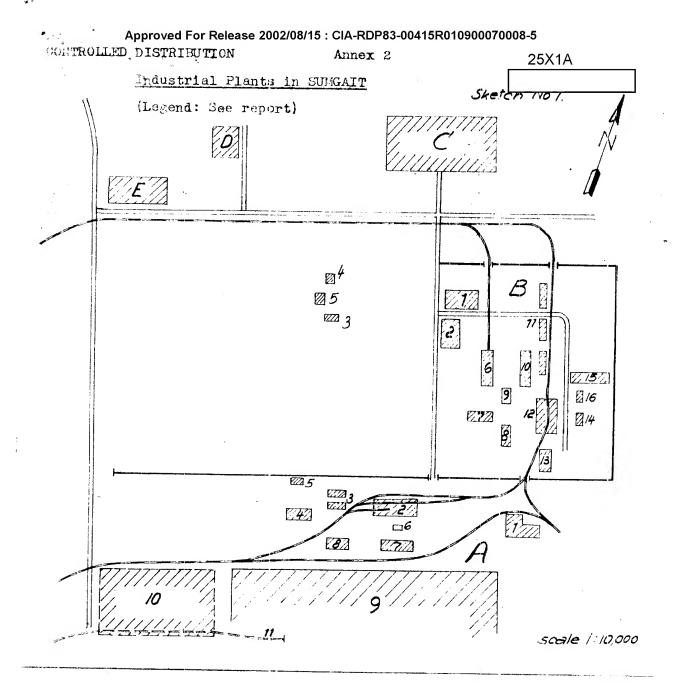
- 11. Three storage sheds for building materials
- 12. New shop for steel structure assembly, put into operation in 1948
- 13. Brick yard
- 14. Workshop for construction of water pipes and steam heating systems
- 15. New automobile garage for 45 trucks, completed in 19.9
- 16. Workshop for electrical equipment
- C FT Camp No. 7328/1
- D Power plant with oil fusling
- E Chemical plant

Legand to Annex 2 (sketch 2)

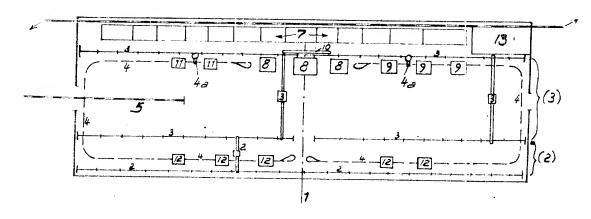
- 1. Shop center with divide of large cranewa, and conveyer belt system
- 2. Small continuous craneway
- 3. Two large craneways ending at the shop penter
- 4. Two conveyer belt systems ending at the shop
- Ha. Generators driving conveyer belts
- 5. Spur track for dispatch purposes
- 6. Access railroad truck
- 7. Line of bunkers for storing supplied materials, connected by feeding belts with the two converer systems.
- 8. Large 10-ton furnace with steel frome, 45 feet high, and another two smaller 7.7-ton furnaces (according to the Soviet foreman)
- 9. Three low furnaces, 15 x 15 feet
- 10, Switch central
- 11. Presumably two furnaces
- 12. Five undesignated installations, presumably furnaces
- 13. Fitter's shop

ZECKET





Sketch No.2



scale 1:1000

.5	CLASSIFICATION SECRET- Approved For Release 2002/08/15 : CIA-RDP83-00415R010900070008	25X1A
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TOPIC	25X1A 25X1A	
EVALUATION	SA AMERICAN SANDERSON LINE OF PROPERTY STORE STORE SANDERSON STORE SANDERSON	DA - NO DESCRIPTION
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endade, and an aircreate application in complete abortisments (3.6 m.)	HELLIE IN CO.	in Landistry (St. 1, 1775; S. 1775; J.
	. Allini	
25X1X		ga usar lada-diga sarahanda da sakaranda da sakaranda da sakaran da sakaran da sakaran da sakaran da sakaran d
1.	Location	
	The india rubber plant of YEREVAN (44°50°E/40°10°163SR, is at the southern town border, east of a rathing leading to the southwest.	N), Armenian Iroad trunk
2.	Plant Installations	
	The plant covers about 1.3 x 0.9 miles and has two the so-called Caoutchouc Zavod and a new installar construction southwest of it.	tion under
	a. From the condition of the plant buildings that the plant was constructed during the war. to the plant it was in full operation.	25X1A 25X1X
F	b. The two plant sections are connected by a rainew southwestern section, surrounded by a wall, i india rubber plant. The bare structures of most were completed by February 1947. However, the first construction is used. The construction site included a large of dismantled German machinery, still partially particles in the construction of the plant. In authorized the plant. The suspended from steel masts led to the plant.	s also an buildings nal work was tion machinery storage dump acked in boxes. n. A high tension

25X1A

3. Work Force

No details were available on the number of Scviet laborers. Work was done in three shifts. In the new section under construction 250 PWs and a small detail of Soviets worked in one shift.

Production

Rubber, packed in linen sacks and shipped to an ${\tt inknown}$ destination.

1 / Annex I

25X1A

Legend to Annex 1

Ä

- A India Rubber Plant
- l Administration, four or five-story stone structure, 600x45 feet
- 2 Spale parts store, one-story building, 300 x 60 feet
- 3 Storage of construction materials, 240 x 60 feet
- 4 Carbide griding plant with traveling cranes and mills
- Four electric carbide evens, three of which are in operation as the same time. The upper floor was equipped with tracks on which electrically operated lorries were run to charge the ovens
- 6 Three large lime kilns in a one-story stone structure, 450 x 60 feet
- 7 Two loading ramps for coal and coke, protected by a roof, 200 x 45 feet
- 8 Inclined skip hoist
- Boiler house, stone structure, 90 x 60 feet, approximately four stories, with several brick funnels. The boiler house is equipped with one oil-fueled boiler and two boilers with traveling grates. They were automatically fueled from overhead bunkers, whereto the materials are shipped by the shiphoist
- 10) and) Warehouses, stone structures, 300x60 feet, one-story buildings 11)
- B Newly constructed section:
- Pape line, consisting of fitted iron pipes, 1 foot in diameter, 6 feet underground
- 2 Excavation, 450 x 60 x 20 feet
- Exercation like No 2 above, with riveted horizontal steam boiler, 100 feet long, 25 feet in diameter, resting on light stone foundation
- 4 FM Camp No 7115/9

did not enter on sketch several additional large buildings and workshops. There was also a large storage dump of dismantled German machinery. ________one of the workshops was equipped with 15 hydraulic four-cylinder presses, each about 10 feet high.

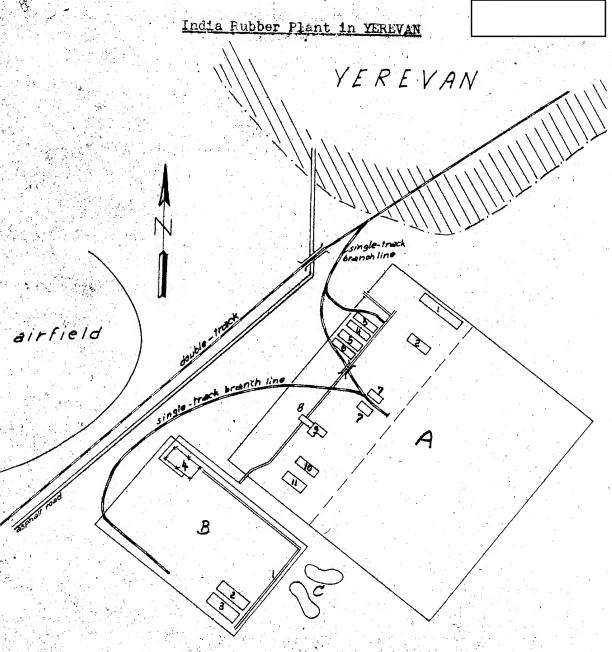
C Two pools with carbide waste, about 1,200 feet long.

25X1A

	Approved Fox Release 2002/08/15 : CIA-RDP83-00415 R012/5000A0008-5	:
Α	Comment: a. The india rubber plant of YEREVAN existed before the war.	
	h prewar aerial photograph is forwarded as Annex 2. b. the newly constructed section (item B on Annex 1). From a comparison with the aerial photograph it is concluded that the clder plant section (item A) is also incomplete on Annex 1)	2
	2 Annexes: 1. India Rubber Plant in YEREVAN 2. Aerial Photograph of the India Rubber Plant in YEREVA.	

CONTROLLED DISTRIBUTION

Annex4



Legend: See report

not to scole

	Soriet Union REPORT NO.
TOPIC	Calibia and India Rubner Flent in Vergyan 25X1A
Children Market	25X1A 25X1A
EVALUATION	- Comment of the Comm
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del fordanci e digresqua () - granda de despresa de circo de una discusso um	
Ι.	. Location:
	The country of the co
	The plant is southsoutheast of Yereven (44°30°E/40°10°N), Armenian SSR, east of the large reilroad line. It is about 4 km from the town center.
2.	Armenian SSR, east of the large reflected line. It is about
2 .	Armenian SSR, east of the large reilroad line. It is about the from the town center.
	A. The plant installations cover about 2½ x 2 km. Constructed some years ago and the plant completed in early there is a no smoking area in the plant. A railroad connection
	Armenian SSR, east of the large reilroad line. It is about a kn from the town center. Last installations: The plant installations cover about 2½ x 2 km. Construyes started some years ago and the plant completed in early there is a no smoking area in the plant. A railroad connects evailable. For plant layout see Annex. The following industrial installations are in the wicin of the plant: A cable plant, a tire plant and a plant area.
	An from the town center. alt installations: alt installation
	An from the town center. alt installations: alt installation
3.	An from the town center. alt installations: alt installation

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SECRET 25X1A

25X1A

layout of the year 1942 can be assumed for the Present time. An aerial photograph interpretation

is forwarded with sinex 2. Future information on any buildings constructed after this date will be of special interest.

2 Antexes: 1.) Carbide and India Rubber Fight in Yerevan.

Logend to Annex 1:

- . India Rubber Hant
 - 1 Administration, 36 x 132 meters
 - 2 Lispensery, 36 x 131 meters
 - 3 Marchouse, 90 x 27 moters.
 - 4 Gooling plant, two buildings 72 x 18 meters with many pipelines. Leasuring clocks indicated a temperature of 20° to 30° C. Uninsulated tubes were covered with a layer of ice even in summer. The concrete seemed to be corroded by acids and constantly needed repair.
 - 5 Carbide manufacture, 108 x 18 meters, equipped with six electrical carbide furnaces and six lime kilns beside the workshop; only three of each were in operation at the same time.
 - 6 Doilerhouse, 90 x 45 meters, five stories, coal fueled, one smokestack
 - 7 Two production shops for india rubber, 90 x 27 and 90 x 18 meters, off limits to FWs
 - 8 Both buildings about 90 x 18 meters, similar to No 4 above. The pipelines of objects No 4 and No 8 lead into the production shops for india rubber.
 - 9 Salt department, 90 x 18 meters, presumably chlorinealkali-electrolysis, equipped with tanks of 27 meters diameter, many pumps, sipes and boilers.
- 30 Cas plant, 72 x 36 meters, production of carbide-gasecetylene

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		25X1A
SECRET		25X1A

- B Cable plant, plant area about 270 x 165 meters. Four workshops, each about 54 x 18 meters, equipped with dismantled German machinery from a firm in Berling leissensee. Several 100 large cable rolls from Siemens and AEG berlin, were stored in the court yerd. The plant was constructed soon after the war. Production of low volatge cables and telephone wires.
- C Mire factory, area about 180 x 135 meters, with one three-story building, about 90 meters square. Constructed in 1946 and 1947. Iroduction of tires for motorcycles, sutomobiles and trucks.
- D Plastic plant, area about 450 x 270 maters. Installations and the railroad connection under construction, administration, 54 x 18 meters, four workshops varying between 72 x 36 meters and 54 x 18 meters. Foundations for three more workshops under construction; excavations 22½ x 22½ x 9 meters were dug, presumably for fuel tanks. Many machines, 15 to 20 boilers and long pipes were stored in the plant area. Thank was designated by Soviets as a bakelite plant.

Legend to Annex 2:

- A India Rubber Flanc
 - l Coal dump
 - E Lime stone dump
 - 3 Lime kiln
 - L Lime mills
 - 5 Lanufacture of electrodes
 - 6 Barrel factory and store
 - archouse
 - & Workshop for plant requirements
 - Filling station for accumulators
 - 10 Transformers and power plant
 - 11 Carbide processing plant
 - 12 Carbide furnace

25X1A 25X1A

- 16 India Rubber store
- 17 Clothing shop
- 18 Administration
- 19 Dispensary
- 20 Plant laboratory
- 21 Dispatch station for india rubber
- 22 Storage for construction materials
- 23 Wood processing plant
- 24 Boilerhouse
- 25 Coal-dressing plant
- 26 Manufacture of paints and varnishes
- 27 Fresumably containers for suphuric acids
- 28 Manufacture of sulphuric acids
- 29 Chlorine-alkali-electrolysis
- 30 Chloropren department (chloropren material similar to india rubber, a buthadin-chloride derivative)
- 31 Polymerization department
- 32 Manufacture of raw india rubber
- 33 Final processing of india rubber
- 34 Testing of india rubber
- 35 Trasumably cooling plant
- 36 Oxygen production
- 37 Stores with india rubber
- 38 Acetylene cleaning plant
- 39 Acetylene production
- 40 Tents for acetylene gas

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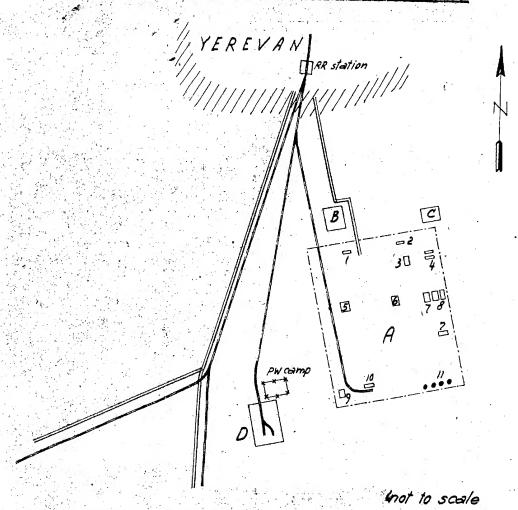
⁴⁵ Fuel dump, possibly also crude our dump

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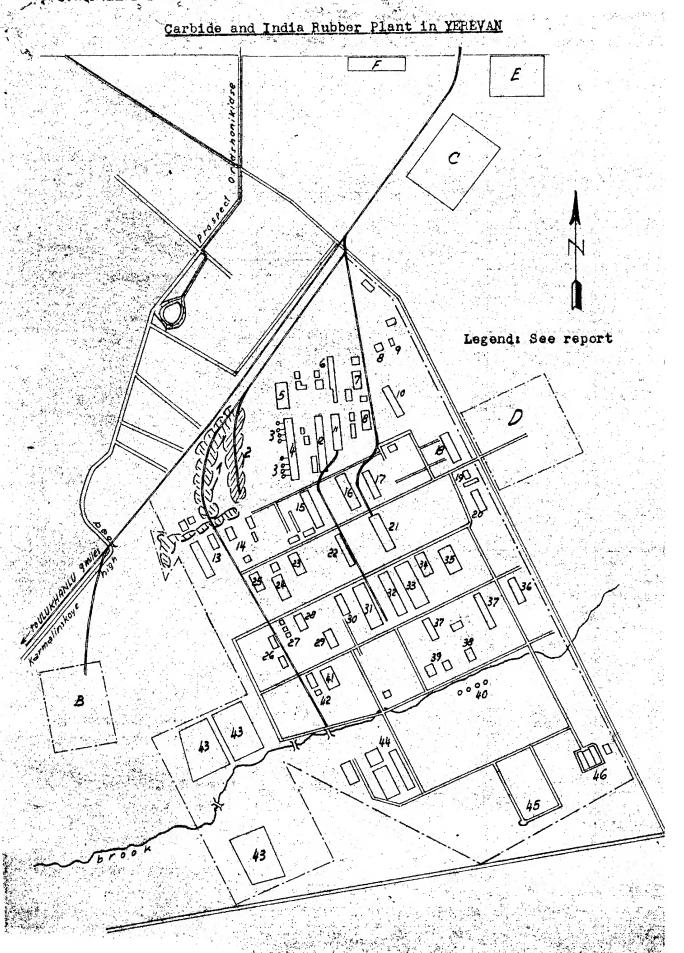
SECRET,	25X1A
•	25X1A
46 Nitrogen installation	

- B Flastic factory
- C Cable Flant
- D Tire factory
- E Furniture combine
- F Military motor vehicle park.

Carbide and India Rubber Plant in YEREVAN



Legend: See report



. [2	Appropriétée Réligiée 190220 NELLO MEDITOR	8/15 : CIA RDP83 00415	R010900070008-5	25X1A
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	DATE OF CONT		7	21 February 19	50
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-	25X1X			en menne filologi ette et medit meditim kritist til de filologisk fra de filologisk filologisk fra de filologisk	
		The Kirovakan (44°28') is located southwest the Leningrad railroad Plaat Layout The plant area is abo	of the town, about	0 100 1100010 110	
		sandstone wall.			
25X1A		during the war, was reconstruction plans. dish natural sandston plant is 202. One plant is located in the plantion RAZ (Remonte a further west. This reconstruction to the plant.	esumed in April 1 The buildings are 10. The numerical 11. ant, 305% which we 11. ant area. A sistemental Zavod)	designation of was off limits to be plant with the is located 720 on corrected with	a new a red- the PWs, e desig- meters h Plant
		For sketch of the plant	ent see Annex.		
,	3.	work Force:			
:		About 600 Soviets and the Spring of 1948. Summer of 1948, but plant.	d 600 PWs engaged The number thexP 250 Soviet convic	in building the Ws was reduced 1 ts were detailed	plant in to 120 by the l to the
Ĩ	4.	Production			
		Production had not y information on the t	et started type of production	1. 25	X1A

25X1A

3	Approved For Release 2002/08/15 : CIA-RDP83-00415R010900070008-5	25X1A
	SECK AT-	<u>25</u> X1A
7 *	2	
	·	
25X1A	Comment:	
25X1A	a. A report on the Kirovakan chemical plant was previously furnished That report dealt primarily with the western "KIZ" (Memonte Mechanical Zavod) part, which is under construction.*	
25X1X	b. The annex agrees with previous report as to location of the two main departments (Plants 202 and 305). There are other differences probably because of the fact that	25X1X
	c. From comparison of the two available reports with an aerial photograph taken before the war (see Annex 2 of previous report*), it is seen that both reports are very incomplete.	
25X1A	part of the plant was still under construction in September 1948,	25X1A
İ		23/1/

1 Annex: Kirovakan Chemical Plant

Secrit-] 、	25
T / Annex			
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Legeni to Annex

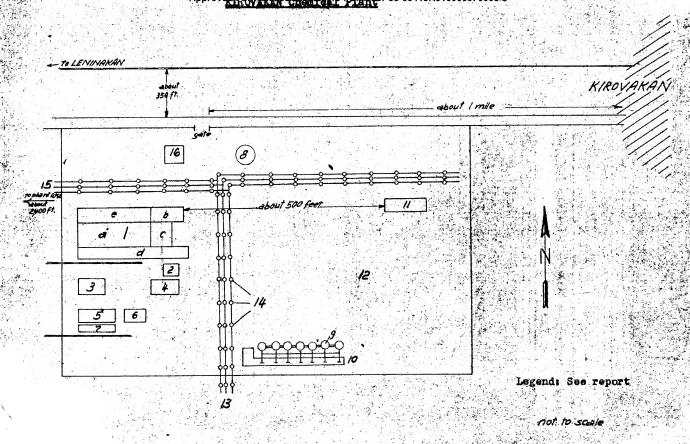
- 1 Plant 202, secured by strict guards and off limits to Pas, with:
- a a. Chemical department which was being equipped and furnished during the time of observation
 - b. Laboratory
 - c. Boilerhouse with five boilers, 6 meters high and 3 meters in diameter, two boilers, 3.6 meters high and 4.2 meters in diameter, one boiler, 1.8 meters high and 90 cm in diameter, one boiler, 2.7 meters high and 1.8 meters in diameter, one boiler, 3.6 meters high and 2.7 meters in diameter, one boiler, 4.5 meters high and 3 meters in diameter. All the boilers are connected with each other by pipes. The whole building is 180 x 72 x 18 meters.
 - d. Unknown
 - e Unknown
- Presumably power plant, 18 x 10½ x 9 meters, concreted down to a depth of 4½ meters, containing several cast concrete compartments. All electric wires are joined there.
- 3 Flant 305, 45 x 22½ x 10.8 meters. Off limits, more detailed information not available
- 4 Kitchen and ration sobrage, 45 x 22 x 9 meters. Administration on the fourth floor
- 5 workshop under construction; its foundation walls, 54 x 18 meters, were completed
- 6 Building, 27 x 18 meters, under construction
- 7 Fitting shop for construction of the plant, 54 x 132 x 9 meters.
- 8 Iron structure, 45 meters high and about 27 meters in diameter, diminishing above and containing a pipe system. Information on purpose not available
- Seven steel containers, 18 meters high, 3.6 meters in diameter, connected with each other by a gangway and each with building to 10 by a separate conduit. The containers rest on concrete bases, 3 meters high, and are fitted inside with small clay pipes
- 10 Euilding, 72 x 9 x 5.4 meters; information on purpose not available. The fitting shop for electrical installations was stationed there temporarily, during the time of observation. Copper plates, 3.6 to 42 meters long and 20 cm wide, were worked there. They were installed in Plant 202.
- 11 Water pumping station, under construction; 27 x 13 meters
- 12 Terrain not built up, provided for further buildings; surveying was partially completed and excavating had started

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- 1.3 Three pipe lines, two $12\frac{1}{2}$ cm, and one $16\frac{1}{2}$ cm thick, which presumably lead to the carbide factory, which was under construction south of the plant at the time of observation
- 14 Steel girder serving as base for the pipe lines
- 15 branch of the pipe lines, leading to the MAZ sister plant
- 1.6 Luilding for workshops, 72 x 36 x 45 meters, connected with Item 1 by a crane trolley. The interior equipment for plant 202 was manufactured there at the time of observation

The track system of the plant was further extended. The access road is bituminized and in good condition.

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.1.	Location:				
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	The chemical combi	ne is west of Kirov h of the railroad l	rakan (44 ine të T	°23° E/40°29° if118.	,
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2.	The chemical combinarmenian SSR, sout observations: a. The following in 1946; The tranplant (MP 6 and Mo factory (MP 7 and 16 structed from the structed from the plated with except; c. The two manufactors were of special for plant layout so	h of the railroad 1 listed plant parts sformer plant, two 9 on sketch), a 11 0 on sketch). All cpring of 1946 unti tial installation, ion of the roof. cturing shops, design importance withing a particle of the contact.	existed [building me plant other bu l Septement the RMZ of the plant o	s of a chemic and the carb ildings were ber 1948. department, want 202 and pant area.	25X1 el ide con- es com-

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Comment:

a. The most essential parts of the chemical combine, especially departments No 202, 305 and "RIZ" were mentioned by two
previous reports and are confirmed. Since this report does not
contain any details on the plant buildings as to size and type
of construction, the data of a previous report are still unconfirmed.*

b. All information obtained on the combine agrees on the approximate plant layout. Even though only the main buildings are carried in the various reports, there is still a considerable difference between the newly obtained picture and the plant status known from a prevar that photograph.**

Additional information is required to clarify the actual plant layout including new buildings, constructed during the last years.

l junex:

Chemical Plant in Mirovakan

1/ Anniex I

25X1A

Legend to annex

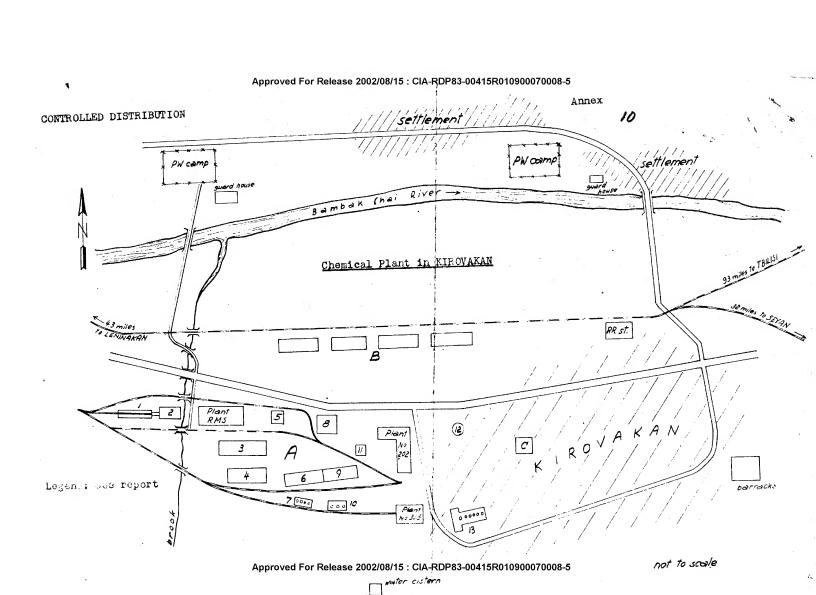
- A Combined chemical plants
 - 1 Coal bunker
 - 2 Boilerhouse
 - 3 Armored Workshops
 - 4 Storage projected for powder receptacles
 - 5 Water sterilizing plant
 - 6 Old chemical plant
 - 7 Lime plant
 - 8 Transformer plant
 - 9 Old chemical plant
 - lo carbide plant
 - 11 Automobile repair shop
 - 12 Vater tower
 - 13 Factory for unknown purpose

"REC" plant, 58x30 meters, to be main plant of the chemical combine;

Plant No 202, four-story building, one of the main installations;

Plant No 305, three-story building, one of the main installations

- B Four food magazines, 5 stories
- C Praining tower for paratroopers



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	· ·	***
	1. Locations	
	/ new large manganese buddling plant is under construction about 4 km LNE of Chiatura (430170E/420171N), Georgian SSR	
	2. Flant layout:	
÷	Construction work started in 1943 and three large stages we blown in a former hill-side on which the buildings are ere The brickwork of the building shop had been completed but the foundation pillars of the neighboring building had been erected. All the machinery of the cable ropeway by which raw material is supplied came from the Bleichert company of Leipzig and was supplied as reparation.	cted. only n
	For plant and location sketches and side views see Annexes	1 and 2.
	In the side views the buildings are displayed as projected the construction plans.	
25X1A	1A Comment:	
25X1X	b. Information on construction projects in the Chiaturi me	an deneco

b. Information on construction projects in the Chiaturi manganese ore area and the technical organization of the ferro-manganese buddling plants is furnished for the first time by this report, bresumably the numerous other plants of this line are laid out according to the same scheme.

COMPTEMETIAL,	2	25X1A
		25X1A
Kvirila River is of this type in all of this area, take by a legend, is a combine belongs to be Thotostats of to the Eleichert (N. 22, 34 Viktor Action to the Photographs at the Photog	e deposit on both sides of the one of the most extensive deposits of the world. An aerial photograph on before the war and supplemented ttached as Annex 4. The Chiaturi of the "Chiachird" ore trust. a Soviet reparation order addressed Transportantagen company in Leipzig ider-Strasse, were received from One copyleach photostat of and 6). ttached as Annex 7. These photostats of irmation of the above report and	25X1X
3,) h,)	Manganese Buddling Tlant in Chiatura. 2 photos and 2 photostats	

Legend to Annex 1:

25X1X

25X1X

- A Manganese buddling plant
 - 1 Frojected terminal of the cable railway with a through e projected cable railways to be equipped with conveyor cages, leading across the Kvirila valley to the building yards.
 - 2 Manganese buddling plant under construction (for details see Annex 2).
 - 3 Two water basins, each about 30 maters in diameter
 - 4 Sawmill
 - 5 "archouse
 - 6 Administration building, completed
 - 7 Assembly shop and repair shop for the construction of the plant
- B Area with military post buildings
- G Tarehouse for cigilians
- D For se
- E TW Camp No 7518/4
- F Fringe with two concrete pillars over the Kvirila River.

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25X1A

Legend to Annex 2:

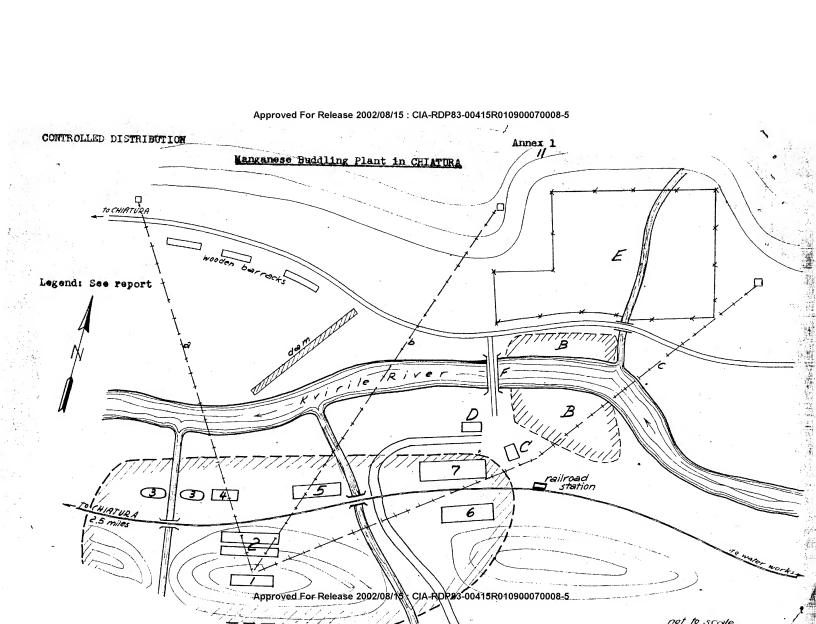
- 1 Contour of the hill with stages blown cut
- 2 Terminal of the cable railway
- New so-called "hill road", 5½ meters wide, already usable
- h Manganese buddling shop, brickwork completed

 whether the cages are to
 be unloaded there or near the terminal of the cable
 railway).
- 5 Second building of the building shop. Only the pillars were erected.
- 6 Projected railroad spur track for ship ing the buddled manganese ore. Presumably, the manganese ore is to be dumped from Building No 5 directly into the railroad cars
- 7 Chiatura railroad line
- 8 Kvirile River.

Legend to Annex 3:

- 1 Foundation walls and excavations for the new manganese buddling plant
- 2 Torkers' settlement
- 3 Two rivulet bads to be bridged over about 90 meters
- 4 Projected course of the manganese ore railroad
- 5 Lime plant
- 6 New administration building under construction
- 7 Compressor station
- 8 Garage
- 9 Fitter's shop
- 10 Ration storage
- 11 1W Camp ho 181/1
- lla Three buildings with guards and officers billets
- 12 manganese ore mine
- 13 Loading point for manganese ore
- 14 Coble railway on wooden masts for transportation of manganase ore
- 15 Newwaterworks under construction with
 - de Fumping station
 - b: Four water basins
 - c. Fipsline being imbedded.

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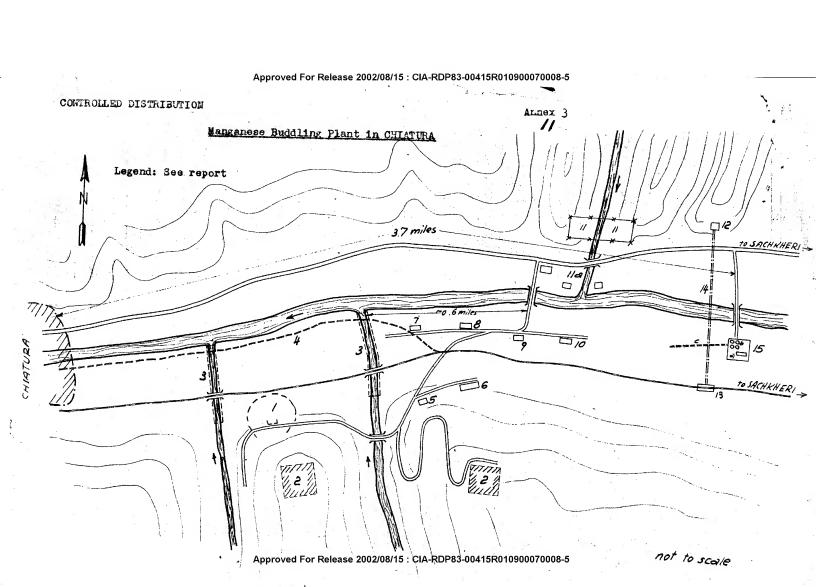
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Annex 2

Nanganese Buddling Flant in CHIATURA

Legends See report



INTELOFAX 14 FOR REIESTE 2002/08/15 CIA RDP83-00415	5R010900070008-5	25X1A
COUNTRY Soviet Union RE	PORT NO 25X1A	
TOPIC Chemical Curbine in Kirowakan,	25/ IA	hankay acadan alaka hankada bir yanga kari karinan kanan
EVALUATION 25X1A PLACE OBTAINED 25X1C	Transport States of the States	
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1. Location :

The chemical Kirovakan (44°28'E/40°49'N) combine, Armenian SSR, is west of the town, south of the Bambak-Chai River and the Leninakan railroad line.

2. Plant layout :

25X1A

The plant consists of the so-called old factory, and the objects 305 and 202.

a. The brickwork of object 305 was completed in June 1943. The machine had not yet been installed.

b. A three-story building was erected on both sides of the shop. The offices will presumably be installed there.

c. Object 202 is surrounded by a special wall. It consists of a large three-story building, in the vicinity of which a tower was constructed the 1½-meter concrete walls of this alleged water tower, 23 meters in diameter, had been raised up to half-story level by July 1948. Six horizontal large-size tanks were installed underground around the object. Outside the object, another tower, presumably a water tower, was erected. A railroad spur track is available.

3.	Work force:		
	V 9	any	information.

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4. Production:

Production is limited to the so-called old factory where the workers use protective breathing devices. Their hands and the unprotected parts of their faces look black. Type of production unknown.

25X1A

Comment	:
COLLIGITO	

- a. The information obtained from the reports presented so far is very incomplete. This report is nothing but a contribution to a later evaluation of all the available information on the Kirovakan chemical combine. The confirmation of the Flant Departments 305 and 202, which apparently are the principal parts of the factory, is considered to be essential.
- b. It is evident from all reports obtained so far that only parts of the combine are in operation. Hence essential parts of the plant were surely constructed as late as after the end of the war and the German aerial photograph taken in 1942 no longer correctly presents the plant.
- c. Experts may draw conclusions from the observations of production.
- d. Reports based on latest observations which might furnish information on the completed combine, are lacking and a clear ricture of the plant could not be obtained.
- 1 Arnex: Chemical Combine in Kirovakan,

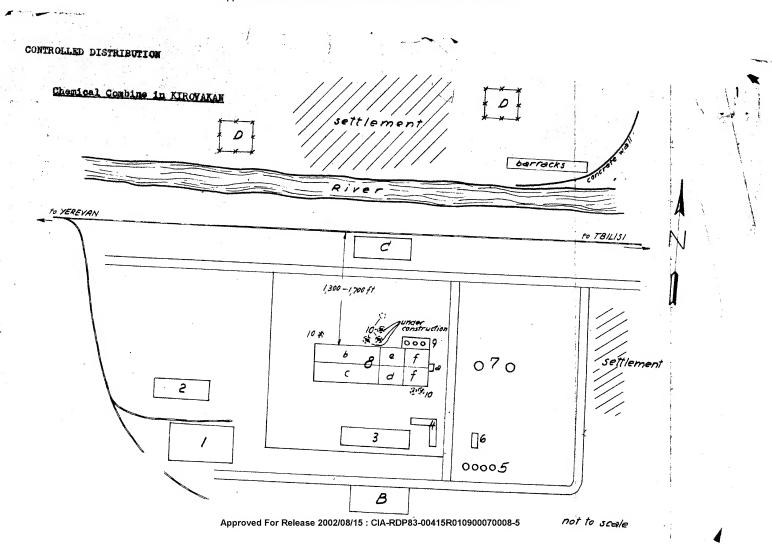
Legend to Annex

- 1 Carbide factory, so-called old factory
- 2 Fower plant
- 3. Object 305, 64 x 27 neters, very thick walls, brickwork completed. In the shop are concrete bases, about 2 neters high, supporting thick steel girders which presumably will serve a traveling crane. Fipes, about 25 cm thick and & meter in diameter, were fixed to the walls. A four-story building containing administration offices was erected on both sides of the shop.
- 4 Cooling plant
- 5 Four tanks, 9 to 12 meters high
- 6 B ufilding with unknown designation
- 7 Two water towers, under construction
- 3 Object 202, 90 x 55 meters with
 - a Entrance

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•		25X1A

- b Transformer room. The room is centrally crossed by a concrete shaft, 2.7 meters wide and 3% meters deep, to the walls of which pipes of different thickness are fixed. Twenty transformers supported by bases, 9 x 2.7 meters, project the shaft.
- c Foom to the walls of which pipes of varying thickness are fixed. The ceiling is covered with copper plates, .03 x .03 meters, and many insulators.
- d Room with three iron tanks, 1.3 meters in diameter, which reach the roof.
- e Boom with tanks welded of iron plates, 7.3 meters high and 2.7 neters in diameter.
- f Two office rooms. Above the c-room is another room containing trunks which resemble a German telephonic relay, The trunks are 1.2 to 12 meters high and 21 meters wide and installed in a long row. They are equipped with knobs, cords and drops like telephone switchboards. An electric crane travels through the room.
- 9 Three tanks under construction, attached to object 202.
- 10 Six underground tanks surrounding Object 202. The surface of each tank has an opening large enough for a man.
- B Gasoline dump
- C Flour storage
- D PW Camp 7515/10.

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the power plant and

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the road bridge were initiated in October 1943.	
Work force :	
Twelve to fifteen hundred Gorman PWs and 500 to 600 Soviet covicts working on the construction of the power plant.	on-
	the road bridge were initiated in October 1943. Work force: Twelve to fifteen hundred German PWs and 500 to 600 Soviet or

4. Capacity :

No details available.

Field Comment :

a. The report is valuable confirmation and supplement to other information . The attached sketch gives a graphic picture of the location of the power plant.

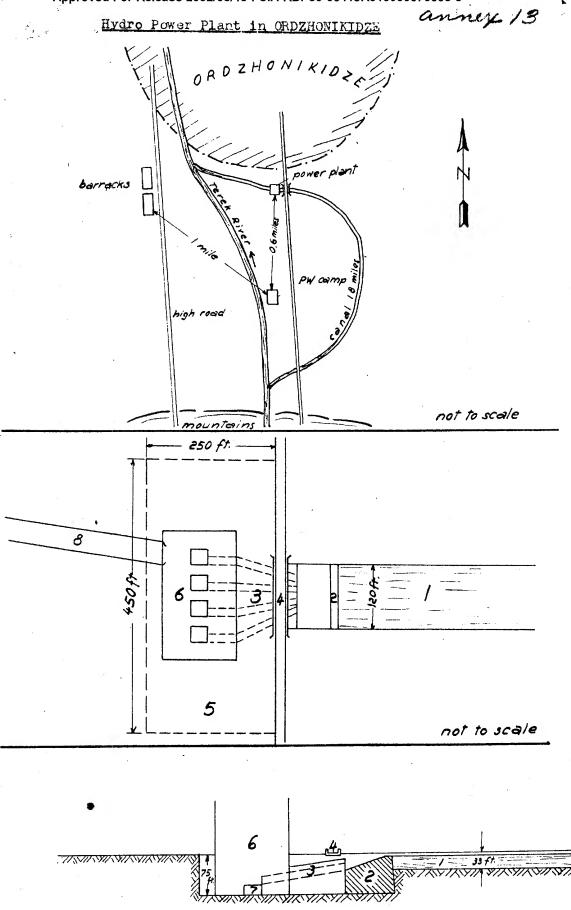
b. The data on the type of construction of the turbine house fully agree with previous information. More credence can be given to the above reported dimensions of the turbine building than to those previously recorded, which obviously were too small.

25X1X			
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1 Annex : Hydro Power Plant in Ordzhonikidze.

Legend to Annex

- 1 Canal
- 2 Dam, 2.4 meters wide at the top
- 3 Four chute pipes, 42 meters in diameter, 23 meters inclined length
- 4 Concrete road bridge, 35 meters long, 53 meters wide
- 5 Concrete power plant area
- 6 Turbine house, 73 x 35 x 55 meters, five story building with flat concrete roof
- 7 Four turbine foundations, each 10 x 10 x 52 meters
- 3 Outlet to the Terek River.



Legend: See report

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1. Location

The Dviri (43°16'E/41°46'N hydro power plant, Georgian SSR, is about 3 km down-stream from the town of Dviri, north of the Kura River.

2. Plan: Layout

- a. Construction work was started early in 1946.
- b. The reservoir had a concrete barrage wall, 135 meters long, 15 meters high and 3.6 meters wide, its surface projecting 7.5 meters above water level. The lock had six pillars. Two lock gates were closed in August 1949 and the other gates were still under construction.
- c. Starting from the reservoir, the water canal crosses the highway by a tunnel and passes through open country for about 1.4 km and through another tunnel for about 6 km. The banal is 10.8 meters wide at the surface and 3.6 meters at the bottom. It is blasted in rocks and concreted.
- d. The 6 km tunnel was under construction from 1 May 1946 to May 1948. It was concreted for 2.8 km from the south on 1 August 1949. It is 3.6 meters wide and 3.15 meters high. Further concreting was delayed because the other half of the projected tunnel crossed very soft rock. A pipe line about 1 km long, leads from the tunnel exit to a reservoir, from whence three parallel steel tubes, 10.8 meters long and 2.7 meters in diameter, lead to the turbine house. Another basin was laid out NE of the tunnel exit to supply water during repairs. This basin was about 30 x 70 meters. A pipe line to the tunnel exit and the three fall tubes were under construction. The depth of water was

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e. The turbine house was under construction at the end of the period covered by report. An area 225 x 45 meters was staked out, and the bases were cast on 24 August 1949. Three 11-n.ton turbines were stored in the building yard. The flywheels were about 3 meters in diameter. Four Canadian 50-n.tom transformers, 9 x 3 meters, were also delivered in flatcars. Switch cases, tubes and coolers were Swedish.

f. A 120-m.ton, three-lane concrete bridge crosses the canal SW of Dviri.

g. On the highway running north of the Kura kiver, a steel structure bridge crosses the river near Dviri.

h. For location sketch, see Annex 1.

i. For bridge sketches, see annex 2.

3. Work Force

2,000 sivilians and 1,400 PWs, working in three shifts,

4. Capacity:

Not known.

25X1A

Comment:

a. This report furnishes a good survey of the state of the construction work at the new Dviri power plant, which has been reported several times. The report is considered correct.

25X1A

b. To explain schematic location sketch, an aerial photograph, taken before the war of the environs of Dviri is attached as Annex 3.

According to all reports, the new power plant is located on the eastern side of the mountain mass seen near the right edge of the picture.

- 3 Annexes: 1. Dviri Hydro-power Plant
 - 2. a. Concrete bridge over the canal b. Steel-constructed bridge
 - 3. Aerial photograph

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Legend to Annex 2

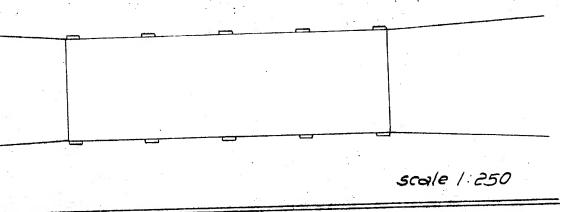
- a. Concrete bridge over Canal
- l Rocky subsoil
- 2 Abutments, span 13.5 meters
- 3 Water surface, passage clearance 3.6 meters
- b. Steel-Structure Eridge

(Length of bridge: 45 meters)

- l Abutments on banks
- 2 Pillar in river bed; span from western abutments to pillar: 34.5 meters
- 3 Supporting steel-structure
- 4 Top view, with partitioned-off footways (a)

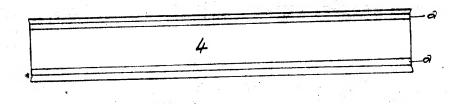
- Town of Dviri
- Turnel exit

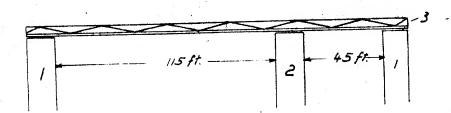
- Water basin, 300x240 feet Small water basin connected with the turbinehouse by three chute pipes Turbinehouse under construction



Steel-Constructed Bridge

Sketch No. 3





Legend: See report

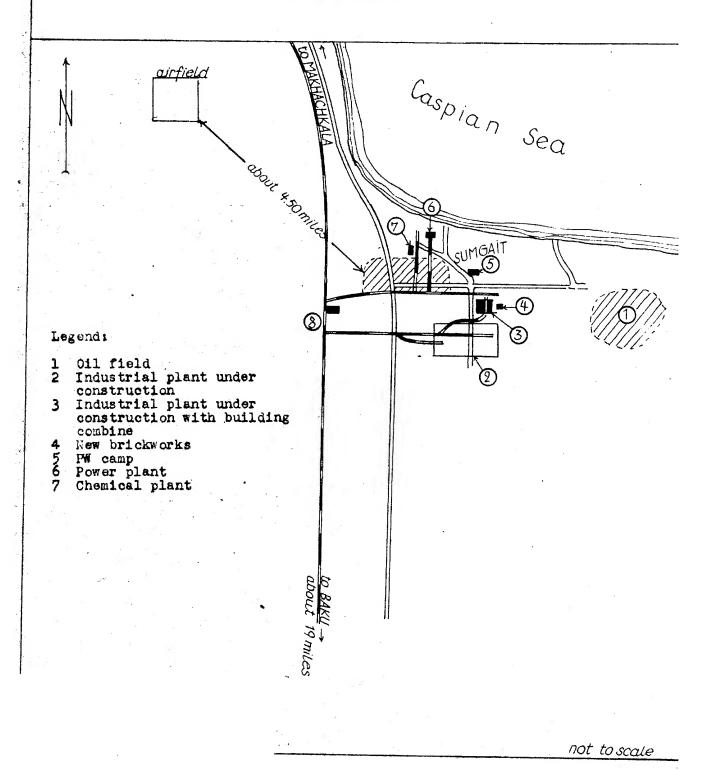
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C	the oil field is 9 to 10 km east of the Baku (45°25° N/49° 10° E) - Summait railroad line and about 1.5 km south of the caspian Bea. Its area averages about 1.5 km. The oil field has Spur tracks and highway connection. The highway is still inder construction.	
2.]	nstallations:	
C	he first experimental drillings were made in 1947. There were a derrick and three drilling sites. Ditches were dug towards the asylan gea and an oil pipe line was laid. A twin line seems to be projected.	ප
Pi	mobile power generating unit (Diesel) drives the drilling and coducing implements.	
ů u	power transmission line to the Jumgait Power Plant is also ador construction.	
S. Pi	roduction:	
' <u>'</u> ' '	o detailed information on the volume of production is avainable. bout 20 tons in four 5-ton tank trucks were shipped daily! ecording to recent observations.	
4. 73	ork Force:	

1 Armex: Oil Field Near Sumgait, Baku Oblast.

Continuous shifts. Size of work force is not known, an average of 20 pys on the day shift.

Oil Field near Sumgait. Baku Oblast



COUNTRY.	CLASSIFICATION_SOLE TO Approved For Release 2002/08/15 : CIA-RDP83-00415R010900070008 5 Societ Union REPORT NO.	25X1A
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1.	Now oil field near Hishly.	
	a. Location:	
	Near Kishly (Kishlya, about 30 km northeast of Laku - 40°25" /49°50 L).	
	b. Installations:	
	new opening activities were observed, about one hundred 35 to 80 m high	
	drilling derricks are in the field. Fine lines go from the production sites to a large fuel depot near Aishly. The depot has about 150 oil tanks and is connected by a large oil pipe line with the oil harbor of Baku.	
, 2,	Bibi-Bibat Oil field.	
	a. Location:	
	About 8 km south of baku	
	b. Installiations:	-
	(1) New opening activities were also observed in this field. The old field on the peninsula is densely covered with drilling and producing derricks.	
	(2) The new underwater drillings are said to be successful. There are about 15 to 20 drilling derricks in the water.	
	(3) The oil field is connected with the adjoining refineries by pipe lines. Grude oils not immediately processed are not stored in tanks but in large covered cement basib (so-called "Ambaren"). The basins measure about 400 x 500 m and are connected with the main pipe line.	
3.	Up to 20 cil trains of 50 to 60 tank-cars each leave the town daily (corresponding to a total of about 60,000 tons daily). These oil shipments are processed in refineries not in the close surroundings of the make oil fields.	
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1. Location of small oil field:

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Between Lilo and Norio, about 15 km northeast of Tiflis (41°42°N/44°45°E), Tiflis Oblast.

2. Activities and installations:

The field was obviously still being opened although drillings had been made since 1945/1946.

- a. Experimental drillings were allegedly made 10 years ago. Five derricks were seen in 1946 and 18 early in 1949. The norizons being drilled are at a depth of about 2,000 m. Some drilling operations brought in gushers. Four or five gushers were last observed. Some of the drilled wells are rescaled apparently because there are still too few snipping and storage facilities.
- b. Several tanks measuring 5x3x3 meters are in the ficinity of the field. Pipe lines were laid between the field, the tank depot and the adjoining refinery.
- c. The excavation work and pipe line construction were not completed in the last days of the observation period.

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3. Location of the refinery:

A few kilometers from the oil field. It covers about $400 \times 500 \text{ m}$ with spur tracks to liftis and baku $(40^{\circ}25^{\circ}N/45^{\circ}00^{\circ}L)$. The construction of the refinery started in 4546.

L. Production:

and the daily capacity is estimated at 200 to 150 tons. The refinery has no special installations terrocking installation, associate refining, laboricating oil refining), but is operated on the system of fractionized of stillation. In addition to slight amounts of crude cil supplied by the neighboring small oil field the refinery presenably mainly processes to be a rise.

h. The drily incoming sumpments amounted to five or six tank cars of shout 50 tons each. The daily outgoing summents were composed of four our sive tank cars with finished products.

c. The main products are gaspline, Petroleum and slight amounts of Diasel pil. Accide products are heavy off and maset. No lubricating oil is produced.

5, Work Porce:

Do the refinery there are 100 to 150 em, Loyechworking in three shifts.

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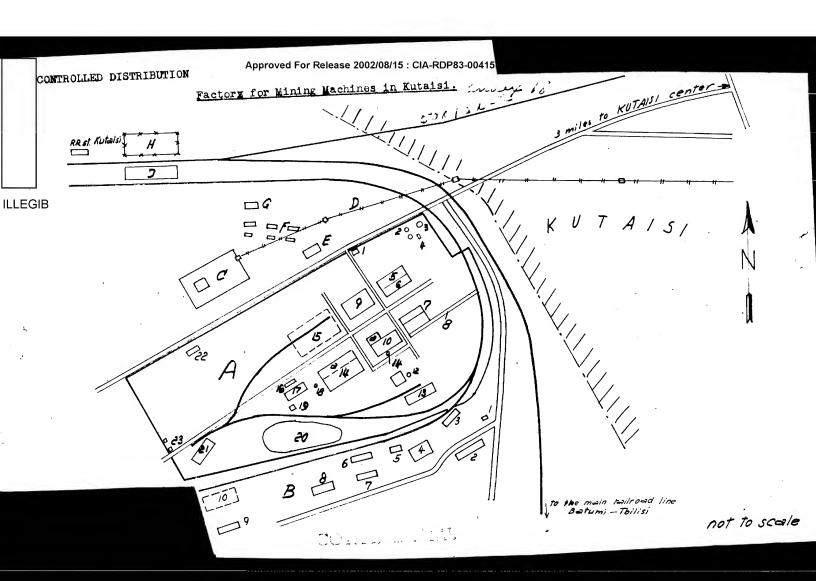
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	COMPIDENTIAL 25X	
	1/ innex	
nd t	co \nnex	
	rnyak Plant	
1	rein Gate und Gwardhouse	
2	Two concrete water basins, 5.4 meters in diameter. 2.7 meters above ground, depth	
3	Cater tower, iron structure, 22.5 meters high, with water container on top, 4.5 meters high and 4.5 meters in disactor, constructed in 1948/1949, not in operation	
4.	Pump station for the water container	
5	Repair ship for plant requirements	
6	Tool shop (No 5 and 6 together, 13.5x18x45 meters, concrete structure with wooden roof)	
7	Assembly shop for electric locomotives and conveyor belts, 13.5x18x45 meters, steel structure with concrete lining	
8	Large outdoor traveling crane	
9	mechanical department, constructed in 1947, in operation since Earch 1948, 13.5x18x45 meters, steel structure with concrete and wood structure roof, processing of single parts.	
10	Forge: 13.5x18x45 meters, with six oil-fueled anneal-ing furnaces.	
	a. Amex with hardening shop, equipped with five oil-fueled furnaces	
11	Underground oil tank, size 25X	
12	Boiler house, constructed in 1945/1946, 7.5x9x13.5 me- ters, with sheet-moval smokestack, 27 meters high.	
13	Warehouse with loading ramp, 5.4x10.5/Neters, slagstone structure, under construction	
14	Toundry, constructed in 1946/1947, in operation since 1948	
	a. Old part with two small smelting furnaces b. New part with two large smelting furnaces, model making carpenter shop, core making shop and molding shop, 16.5x36x63 motors, concrete structure with steel frame	

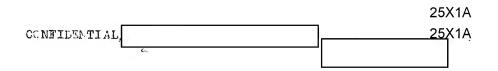
15

New workshop under construction, excavations 36x63 meters, intended purpose not known

- 16 Jawmill
- 17 Blagstone building, 6x9x22.5 meters, purpose unknown
- 18 Undergoound oil tonk, size unknown, supplies oil to the foundry
- 19 Gerap crushing plant
- 10 Outdoor assembly of structural parts for workshops and roofs
- 21 oxygen plant
- 22 Garage and fire department
- FC Gate and guardhouse
- B installctions of the Shakhto-Stroy Construction Firm
 - I main gate and guardhouse
 - 2 Chinistration
 - 3 Saturill
 - 4. Classtone plant
 - 5 consrete plant
 - 6 carpenter shop
 - 7 Garage and repair shop
 - 8 Fitting department for small structural roof parts and construction repair department
 - goncrete structure, 6x18x45 meters, constructed in 1948/1949, in operation since the gummer of 1949, thorough overhauling of automobiles.
 - Lo Asphalt plant
- C Crausformer plant, further details are not available
- B | Power transmission line
- g pire department
- F Cantonment buildings, dwellings of plant employees
- G IND (dministration of the PT camp
- H Py Cam no 7518/3
- r cimber yard



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TOPIC THE	r Corks in Bulachauri
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NEWSON TO ARREST COMPENSAGE BARE STALE STALE OF	25X1X
	Location: The water works are about 5 km south of Bulachauri (140-5°E/42003°N), Georgian SUR, on the eastern bank of the Aragva River. Plant installations:
·	Cork force: Several hundred civilian Laborers and 150 former 85 members
l _i .	Furpose: The supply of electric power and water were the two big bottlenecks during the industrialization of Rustavi and Tiflis. In the summer Tiflis is supplied with water for only a few hours a day,
25X1A	Comment:
	The new waterworks near Bulachauri are reported for the first time. If the statements are correct, the installations are of essential importance for the industries in the Tiflis



1 Annex: Water Works in Bulachauri,

Legend to Annex:

- l Mater bunkers with pipeline system. The bunkers are concrete structures, 2.5 x 2 x 1.5 meters, partially underground and provided with electric pumps. The water is much better than that of the mountain rivers because the ground has a layer of pebbles and sand several meters thick.
- 2 Three main-pipelines, 80 cm in diameter
- 3 Mixing chamber, concrete structure, 10 x 10 x 10 meters, four meters underground, with slightly elevating ground at the sides of the building
- h Power station, two-story brick building with flat roof. Equipped with a Diesel engine and a generator, 400 Kws bagacity, 15 x 12 meters
- 5 Repair show, brick building, 20 x 12 x 10 meters with shed roof
- 6 Open concreted canal, cross section 1.5 x 1.2 maters
- 7 First tunnel, 500 meters long
- 8 Open canal
- 9 First part of the second tunnel, about three kms long
- 10 House with unknown purpose
- Il Construction site
- 12 Kolkhose farm.

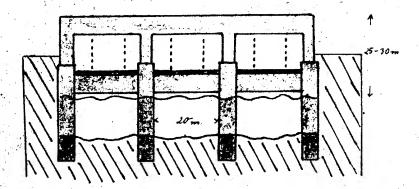
a. The above information is the first to contain details on the lock

Comment :

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	25X1A
	and, supplementing numerous previous reports, * contributes to complete the picture of the plant,
25X1A	b. The capacity is reported for the first time. The enormous extent of this project, e.g. the efforts made to construct the canal several kill meters through a mountain, justify the doubts as to the low teapacity. Compactify Ithe turbines were not installed during the period of observation as only the foundations for the turbines were completed in August 1949. The number of turbines and chute pipes corresponds to previous information.
	1 Annex: Hydro Power Plant near Dviri.

Hydro Power Plant near Dviri



been equipped; the large production workshops were still empty. For plant layout see Annay 2.

7. A large dump with dismantled German machines and electric installations was in front of the power plant. The machines were packed in boxes and without any cover.

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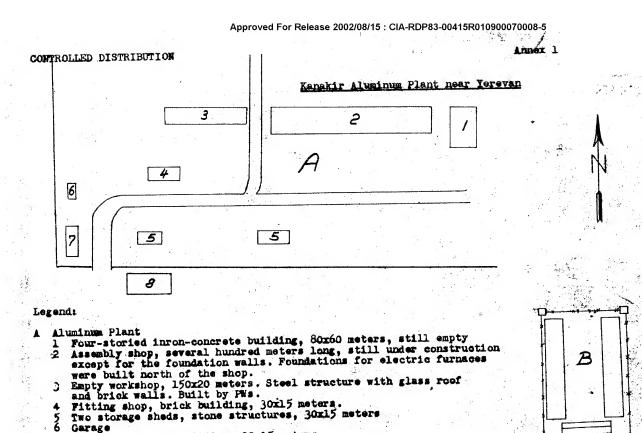
Cornent:

- a. Although the observations date tack a long time they are transmitted as they furnish the first postwar details on new constructions on the premises of the old Kanakir Aluminum Flant.
- b. The attached sketches agree only in the long-stretched eastwest building in the center of the plant and the alleged power plant to the east. The given dimensions are considerably at variance.

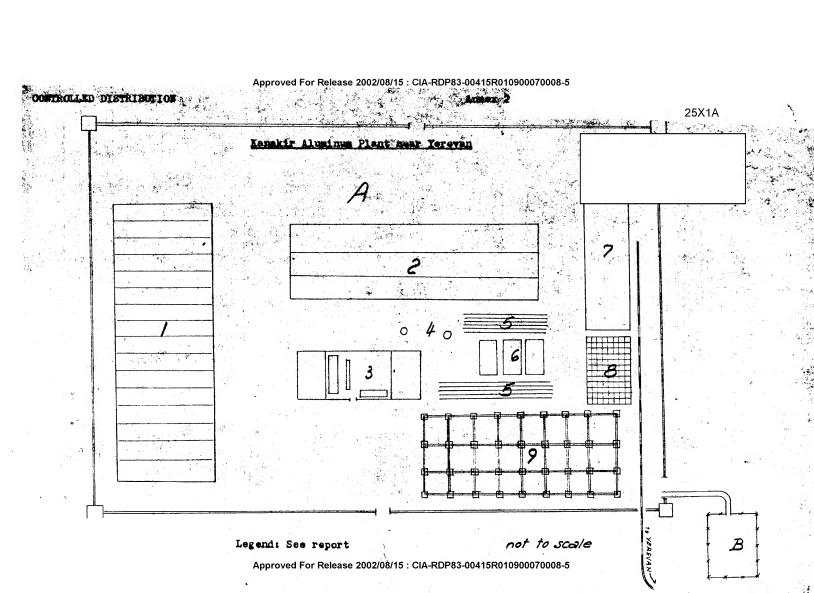
 Additional information is required to clarify the actual plant layout, the original buildings and the types of structures.
 - 2 annexes: Llueprints, Kanakir aluminum Flant near Yerevan.

Legend of Annex 2:

- a aluminum lant
 - 1 Workshop, 150x46 meters, allegedly rolling will
 not equipped
 - 2 Workshop, called foundry, presumably for electrolysis
 - 3 Luilding with fitting, lathe and plumber's shops
 - 4 Two large boring machines in the open
 - 5 Storage of iron girders
 - 6 Three small makeshift buildings for construction staff
 - 7 Lorkshop, called power plant, not equipped, 60x30 meters "rather high". Lany electric lines led into this building and many switchboards were being installed
 - 8 Storage of dismantled machines
 - 9 Assembly of steel structures
- L 75 Carm 7118/1



7 Carpentry, brick building, 30x15 meters
8 Two-storied dwelling house for officers and guard detail
F) railroad connection
TE Camp 7115/1



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23/1/	^	
1.	Location :	
	On the border of a village with about eight houses, 15 k of Sukhumi (41°02°E/43°00°N), Georgian ESR.	m northeast
	Di auto de atra la atra auto	
	Plant installations:	*
25X1X	the construction of the power plant started in 1945 unde vision of Swedish and German PV engineers. All machines Swedish firm Aska. Operation started on 1 October 1949, with an incline of 300 meters, from a mountain lake and through a pipe line.	came from the
3.	Work force :	
	About 200 PUs working on the construction of the power p	lant.
4.	Capscity:	10
	The number of turbines was not reported. Each turbine ha of $\mathbb{S}_9000~\mathrm{kms}$.	d a capacity
25X1A	Comment:	
ſ	Although it contains only poor details on location and cof the plant the information is forwarded as it was supp	onstruction lie
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	The report s	upplements pre	sious infora	ation * on	the const	ruction p	roject
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1.	of the reser The project canal I for 25 meters de reinforced c "Dragon toet rocecced far ted. The se b four conc	voir in Mingech	Summer of 1. This 500- al borders, bottom and r high break ersion of the am to be con- the to 12 m	E/40045'N), 947 with the meter long a 2 meters therro-concressators. As a chara into a structed is	Azerbaija  constructionere hitk layes te partit the const this cana marked in	an SSR:  etion of dete canality of neavilons and fruction near the canality of	etour is 20 t ily several 2d n expec
	of the reser  The project canal I for 25 meters de reinforced e "Dragon toet rodeeced far ted. The se befour conc long, and co  The power pl brenches off about 1 km 16 enters the a with a layer diamoter.	started in the he kura River, ep, has vertice on the oncrete on the enough, a divertion of the darete pipes, each vered with eart ant vill be confrom canal I amongth. In this ura after a sme of 3 to 4 meters	Summer of 1. This 500- al borders, bottom and this break ersion of the manual to be considered or and meets it in the constant of the constant	E/40045'N), 947 with the meter long a 2 meters the ferro-concre waters. As a chura into extructed is eters in dia the abmost again after it II is naIf the botto, reinforced	construction in the construction of the construction of the construction of the completed of a semi-completed of a semi-completed of the completed of the compl	tion of detecanal roll near all was soon the canal to 80 me formal II, ircular cascanal I II is con rods of	etour is 20 t ily several ad n expec l cours ters which ourse o , which overed 50 mm
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- a. New details on the construction project near film echaur are given in this report. It will assumed from all reports that construction is just beginning.
- b. The attached sketch is of value as it confines previous information. *
- c. No information has been received on the extent of the projected industrial installations to be supplied with power by the new grant. It is possible that the laborers for large future plants are already settled in that area.
- 1 Asnex: sketca.

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## Legend to sketch

- 1 Location of projected dam
- 2 Datour canal I
- 3 Detour canal II
- 4 Trojected power prant
- 5 Soviet labor camp
- 6 Proceeding
- 7 Soviet officers camp
- 8 P. camp to 7444/1
- 9 P" camp No 7444/3
- 10 Concrete plant, improvised wooden building. American machinery for a second projected concrete plant, to be constructed in early 1950, has arrived.
- 11 Fower plant with two American turbines, total capacity 5,000 kw
- 12 Petallurgical factory with one workshop, 40 x 50 meters and four one five smaller workshops. Production or iron fittings for forro-concrete structures.
- 13 Oxygen plant, in operation since late 1948
- 14 Automobile park and workshops.

